

AMENDMENTS TO THE CLAIMS

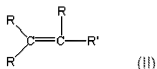
This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. – 53. (Canceled)

54. (Currently Amended) A composition comprising:

(a) at least one fluoroalkene having ~~no bromine substituents and a total of at least four halogen substituents, at least three of said halogen substituents being F and at least one of said halogen substituents being located on an unsaturated, non-terminal carbon atom, said fluoroalkene and being of Formula II:~~



where each R is independently Cl, F, I or H

R' is (CR₂)_nY,

Y is CRF₂

and n is 0 or 1



~~where X is a C₂ or a C₃ unsaturated, substituted radical and each R is independently Cl, F, I or H and z is 1 to 3, provided that when said compound has at least one unsaturated terminal carbon, then there is not more than one F on the unsaturated, terminal carbon; and~~

(b) at least one adjuvant selected from the group consisting of lubricants, compatibilizers, surfactants, solubilizing agents, dispersing agents, cell stabilizers, cosmetics, polishing agents, medicaments, cleaners, fire retarding agents, colorants, chemical sterilants, stabilizers, polyols, polyol

~~premix components and combinations of two or more of these, provided that when said composition is a heat transfer composition and said compound contains at least four F substituents, then there is no F on the unsaturated terminal carbon.~~

55. (Original) The composition of claim 54 having a Global Warming Potential (GWP) of not greater than about 150.
56. Canceled
57. (Currently Amended) The composition of claim 54~~6~~ wherein Y is CF₃.
58. (Currently Amended) The composition of claim 54~~6~~ wherein at least one R on the unsaturated terminal carbon is not F.
59. (Currently Amended) The composition of claim 54~~6~~ wherein at least one R on the unsaturated terminal carbon is H.
60. (Original) A heat transfer composition comprising the composition of claim 54 wherein said adjuvant includes at least one lubricant.
61. (Original) A heat transfer composition comprising the composition of claim 54 wherein said adjuvant includes at least one compatibilizer.
62. (Currently Amended) The heat transfer composition of claim 61 wherein said compound of Formula I~~1~~ is present in an amount of at least about 50% by weight and said lubricant is present in an amount of at least about 30% by weight.
63. (Original) A blowing agent comprising the composition of claim 54 wherein said adjuvant includes at least one cell stabilizer.
64. (Currently Amended) A blowing agent comprising the composition of claim 54 wherein said compound of Formula I~~1~~ is present in an amount of from about 30% to about 50% by weight.
65. (Original) A sterilant composition comprising the composition of claim 54 wherein said adjuvant includes at least one chemical sterilant.
66. (Original) A composition according to claim 54 having no substantial acute toxicity.
67. Canceled.

68. (Currently Amended) A composition according to claim 54 having a low acute toxicity wherein said compound of Formula II consists essentially of one or more compounds wherein said fluoroalkene includes an unsaturated terminal carbon and at least one substituent on the unsaturated terminal carbon is H.
69. (Currently Amended) The composition of claim ~~54~~ wherein said composition is non-flammable.
70. (Currently Amended) The composition of claim ~~54~~ wherein said compound of Formula ~~II~~ is selected from the group consisting of tetrafluoropropenes (HFO-1234), pentafluoropropenes (HFO-1225) and combinations of these.
71. (Currently Amended) The composition of claim ~~54~~ wherein said compound of Formula ~~II~~ comprises at least one tetrafluoropropene.
72. (Currently Amended) The composition of claim ~~54~~ wherein said ~~composition compound of Formula I~~ further comprises 1, 3, 3, 3-tetrafluoropropene (HFO-1234ze).
73. (Currently Amended) The composition of claim ~~54~~ wherein said compound of Formula ~~II~~ comprises 2, 3, 3, 3-tetrafluoropropene (HFO-1234yf).
74. (Currently Amended) The composition of claim ~~54~~ wherein said compound of Formula ~~II~~ comprises at least one pentafluoropropene.
75. (Currently Amended) The composition of claim ~~54~~ wherein said compound of Formula ~~II~~ comprises 1,2,3,3,3-pentafluoropropene (HFO-1225ye).
76. (Currently Amended) The composition of claim ~~54~~ having a Global Warming Potential (GWP) of not greater than about 100.
77. (Currently Amended) The composition of claim ~~54~~ having a Global Warming Potential (GWP) of not greater than about 75.
78. (Currently Amended) The composition of claim ~~54~~ having an Ozone Depletion Potential (ODP) of not greater than about 0.05
79. (Currently Amended) The composition of claim ~~54~~ having an ODP of not greater than about 0.02.
80. (Currently Amended) The composition of claim ~~54~~ having an ODP of about

zero.

81. (Currently Amended) The composition of claim ~~54~~ wherein said composition is a refrigerant compositions and said compound(s) of Formula I~~1~~ at least about 70 % by weight of the composition.
82. (Currently Amended) The composition of claim ~~54~~ comprising compatibilizer and wherein said compatibilizer comprises at least one propane.
83. (Currently Amended) The composition of claim ~~54~~ comprising compatibilizer and wherein said compatibilizer comprises at least one butane.
84. (Currently Amended) The composition of claim ~~54~~ comprising compatibilizer and wherein said compatibilizer comprises at least one pentane.
85. (Currently Amended) The composition of claim ~~54~~ comprising compatibilizer in amounts of from about 0.5 to about 5 percent by weight of the composition.
86. (Currently Amended) The composition of claim ~~54~~ comprising sterilant and wherein said sterilant is selected from the group consisting of ethylene oxide (EO), formaldehyde, hydrogen peroxide, chlorine dioxide, ozone, and combinations of these.
87. (Currently Amended) The composition of claim ~~54~~ wherein said ~~composition further compound of Formula 1~~ comprises HFO trans-1234ze.
88. (Currently Amended) The composition of claim ~~54~~ wherein said ~~compound of Formula 1~~ ~~composition further~~ comprises HFO cis-1234ze.
89. (Currently Amended) The composition of claim ~~54~~ wherein said compound of Formula I~~1~~ comprises HFO - 1243zf.
90. Canceled
91. (New) The composition of claim 54 wherein said compound of Formula II is present in the composition in an amount of at least about 50% by weight.

- 92. (New) The composition of claim 54 wherein said compound of Formula II is present in the composition in an amount of at least about 70% by weight.
- 93. (New) A refrigerant comprising the composition of claim 54, said refrigerant comprising lubricant in an amount of from about 30 to about 50% by weight.
- 94. (new) The composition of claim 54 comprising a surfactant and a solubilizing agent.
- 95. (new) The composition of claim 54 comprising lubricant wherein said lubricant is selected from the group consisting of polyol esters, polyalkylene glycols and combinations of these.
- 96. (new) The composition of claim 95 wherein said lubricant comprises at least one polyalkylene glycol.
- 97. (new) The composition of claim 95 wherein said lubricant comprises at least one polyol ester.
- 98. (new) The composition of claim 95 wherein said composition has one liquid phase at at least one temperature between about -50°C and $+70^{\circ}\text{C}$.
- 99. (new) The composition of claim 54 comprising lubricant and being stable when in contact with aluminum, steel and copper under the conditions of use in refrigeration and air conditioning systems.